

**INFORMATION DISCLOSURE STATEMENT**

Applicant	: Garro Galvez et al.
App. No	: 10/567,419
Filed	: August 21, 2006
For	: CONJUGATED LINOLENIC ACIDS AND METHODS OF PREPARATION AND PURIFICATION AND USES THEREOF
Examiner	: Katakam, Sudhakar
Art Unit	: 1621

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application is a PTO/SB/08 Equivalent listing 168 references to be considered by the Examiner. Also enclosed are 59 foreign patent references and/or non-patent literature as listed on the Information Disclosure Statement.

This Information Disclosure Statement is being filed before the mailing date of a final action and before the mailing of a Notice of Allowance. This Statement is accompanied by the fees set forth in 37 C.F.R. § 1.17(p). The Commissioner is hereby authorized to charge any additional fees which may be required or to credit any overpayment to Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 9 July 2007

By: Karoline A. Delaney

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	10/567,419
	Filing Date	August 21, 2006
	First Named Inventor	Garro Galvez, Juan-Miguel
	Art Unit	1621
(Multiple sheets used when necessary)	Examiner	Katakam, Sudhakar
SHEET 1 OF 7	Attorney Docket No.	ROBCA13.002APC

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1.	2004/116513 A1	06-17-2004	Focant et al.	
	2.	2002/0077362 A1	08-21-2003	Smith et al.	
	3.	2002/077317 A1	06-20-2002	Das et al..	
	4.	2002/0077317 A1	08-21-2003	Hoge et al.	
	5.	2,242,230	05-20-1941	Burr et al.	
	6.	2,343,644	03-07-1944	Cawley, John D.	
	7.	2,350,583	06-06-1944	T. Bradley	
	8.	2,389,260	11-20-1945	Kirschenbauer, H.G.	
	9.	2,487,890	11-15-1949	Harvey	
	10.	3,162,658	12-22-1964	Josef et al.	
	11.	3,984,444	10-05-1976	Ritz et al.	
	12.	4,058,594	11-15-1977	Williams	
	13.	4,164,505	08-14-1979	Krajca et al.	
	14.	4,381,264	04-26-1983	Struve	
	15.	4,393,049	07-12-1983	Horrobin	
	16.	4,535,093	08-13-1985	Horrobin	
	17.	4,666,701	05-19-1987	Horrobin et al.	
	18.	4,681,896	07-21-1987	Horrobin	
	19.	4,721,584	01-26-1988	Arai et al.	
	20.	4,758,592	07-19-1988	Horrobin et al.	
	21.	4,776,984	10-11-1988	Trailer et al.	
	22.	4,806,569	02-21-1989	Horrobin	
	23.	4,826,877	05-02-1989	Stewart et al.	
	24.	4,851,431	07-25-1989	Yehuda	
	25.	4,855,136	08-08-1989	Horrobin et al.	
	26.	4,868,212	09-19-1989	Horrobin	
	27.	4,888,326	12-19-1989	Horrobin	
	28.	4,898,885	02-06-1990	Horrobin	
	29.	4,920,098	04-24-1990	Cotter et al.	

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	30.	4,965,075	10-23-1990	Horrobin et al.	
	31.	4,970,235	11-13-1990	Traitler et al.	
	32.	4,997,657	03-05-1991	Horrobin et al.	
	33.	5,002,767	03-26-1991	Masse	
	34.	5,011,855	04-30-1991	Traitler et al.	
	35.	5,120,763	06-09-1992	Yehuda	
	36.	5,128,152	07-07-1992	Horrobin et al.	
	37.	5,147,854	09-15-1992	Newman	
	38.	5,196,198	03-23-1993	Shaw et al.	
	39.	5,223,285	06-29-1993	Demichele et al.	
	40.	5,288,755	02-22-1994	Yehuda	
	41.	5,312,834	05-17-1994	Yeo	
	42.	5,324,748	06-28-1994	Horrobin	
	43.	5,378,732	01-03-1995	Horrobin et al.	
	44.	5,380,757	01-10-1995	Horrobin	
	45.	5,416,114	05-16-1995	Yehuda	
	46.	5,428,072	06-27-1995	Cook, et al.	
	47.	5,430,066	07-04-1995	Cook, et al.	
	48.	5,468,776	11-21-1995	Yehuda	
	49.	5,494,924	02-27-1996	Cavazza et al.	
	50.	5,541,225	07-30-1996	Leaf et al.	
	51.	5,554,646	09-10-1996	Cook et al.	
	52.	5,576,666	11-19-1996	Rau Vola	
	53.	5,580,556	12-03-1996	Horrobin	
	54.	5,585,400	12-17-1996	Cook, et al.	
	55.	5,591,446	01-07-1997	Melnik et al.	
	56.	5,599,840	02-04-1997	Yehuda	
	57.	5,604,216	02-18-1997	Horrobin	
	58.	5,612,074	03-18-1997	Leach	

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	59.	5,626,849	05-06-1997	Hastings et al.	
	60.	5,661,180	08-26-1997	Demichele et al.	
	61.	5,668,174	09-16-1997	Kawagishi et al.	
	62.	5,670,540	09-23-1997	Horrobin et al.	
	63.	5,672,726	09-30-1997	Ryu et al.	
	64.	5,674,901	10-07-1997	Cook, et al.	
	65.	5,679,809	10-21-1997	Bertoli et al.	
	66.	5,756,088	05-26-1998	Matsuura et al.	
	67.	5,763,484	06-09-1998	Horrobin	
	68.	5,798,348	08-25-1998	Aleman	
	69.	5,804,210	09-08-1998	Cook, et al.	
	70.	5,814,663	09-29-1998	Cook, et al.	
	71.	5,837,731	11-17-1998	Vaddaki	
	72.	5,840,715	11-24-1998	Florio	
	73.	5,859,055	01-12-1999	Horrobin et al.	
	74.	5,892,074	04-06-1999	Seidel	
	75.	5,898,074	04-27-1999	Prasad	
	76.	5,914,346	06-22-1999	Cook, et al.	
	77.	5,928,478	07-27-1999	Berg	
	78.	5,962,712	10-05-1999	Demichele et al.	
	79.	5,986,116	11-16-1999	Iwata et al.	
	80.	5,998,476	12-07-1999	Sleigh et al.	
	81.	6,020,378	02-01-2000	Cook, et al.	
	82.	6,034,132	03-07-2000	Remmereit	
	83.	6,063,820	05-16-2000	Cavazza	
	84.	6,077,828	06-20-2000	Abbruzzese	
	85.	6,136,795	10-24-2000	Florio Vito	
	86.	6,160,140	12-12-2000	Bhagga et al.	
	87.	6,160,141	12-12-2000	Seidel	

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SHEET 4 OF 7

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	88.	6,177,470	01-23-2001	Horrobin et al.	
	89.	6,177,580	01-23-2001	Timmermann et al.	
	90.	6,245,811	06-12-2001	Horrobin et al.	
	91.	6,258,846	07-10-2001	Hermelin et al.	
	92.	6,271,404	08-07-2001	Bhaggan et al.	
	93.	6,316,645	11-13-2001	Sih et al.	Col.3, 11.29-34; ex.7,9; Fig 2
	94.	6,319,950	11-20-2001	Seidel et al.	
	95.	6,326,355	12-04-2001	Abbruzzese	
	96.	6,340,705	01-22-2002	Obukowicz et al.	
	97.	6,342,619	12-06-2001	Seidel	
	98.	6,380,253	04-30-2002	Das Undurti	
	99.	6,387,883	05-14-2002	Abbruzzese	
	100.	6,409,649	06-25-2002	Reaney	
	101.	6,414,171	07-02-2002	Reaney	
	102.	6,420,577	07-16-2002	Reaney et al.	
	103.	6,426,367	02-21-2002	Das et al.	
	104.	6,459,599	10-01-2002	Agirman et al.	
	105.	6,479,683	11-12-2002	Abney et al.	
	106.	6,502,908	01-07-2003	Mueller et al.	
	107.	6,596,302	04-18-2002	O'connor et al.	
	108.	6,602,908	08-30-2001	Seidel	
	109.	6,617,354	09-09-2003	Das	

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
	110.	CA 2,393,403	06-07-2001	Her Majesty in Right of Canada, as represented by the Minister of Agriculture and Agri-Food Canaca, CA		

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	111.	CA 2,396,840	02-06-2004	Universite Laval		
	112.	CA 2,471,649	06-05-2003	Her Majesty in Right of Canada, as represented by the Minister of Agriculture and Agri-Food Canaca, CA	P. 4,5; ex. 3,7	
	113.	CN 1,356,386	07-03-2002	BIN et al.		
	114.	CN 1,200,089C	05-04-2005	Xinjiang Inst. of Chemistry, Chinese Academy of Sciences	Abstract from CN1371985A	
	115.	EP 0 579 901 B1	03-06-1996	Wisconsin Alumni Res. Found.		
	116.	EP 037,175	10-07-1981	Efamol, Ltd.		
	117.	EP 078,434	05-11-1983	Efamol, Ltd.		
	118.	EP 086,092	08-17-1983	Smithkline Beckman Group		
	119.	EP 087,863	09-07-1983	Efamol, Ltd.		
	120.	EP 087,864	09-07-1983	Efamol, Ltd.		
	121.	EP 087,865	09-07-1983	Efamol, Ltd.		
	122.	EP 106,571	04-25-1984	Sentrachem Ltd.		
	123.	EP 145,873	06-26-1985	Tervmo Kabushiki Kaisha		
	124.	EP 211,502	02-25-1987	Efamol, Ltd.		
	125.	EP 309,086	03-29-1989	Efamol, Ltd.		
	126.	EP 416,855	03-13-1991	Efamol Holdings PLC		
	127.	EP 421,867	04-10-1991	Medgenix Group SA		
	128.	EP 516,034	12-02-1992	Leon et al.		
	129.	EP 598,365	05-25-1994	Wogepharm GmbH		
	130.	EP 696,453	02-14-1996	Trimbo		
	131.	EP 891,773	01-20-1999	Galey et al..		
	132.	GB 558,881	01-26-1944	American Cyanamid Co.		
	133.	JP-2000/336029	12-05-2000	Tomoyuki et al.	Abstract	
	134.	JP-2003171272	06-17-2003	Yamazaki et al.	Abstract	
	135.	WO 01 44485	06-21-2001	Natural ASA, et al.		
	136.	WO 2004/013078	02-12-2004	Universite Laval		
	137.	WO 87/07263	12-03-1987	Nakanishi		Abstract

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	138.	WO 88/02221	04-07-1988	Kabivitrum AB		
	139.	WO 94/05319	03-17-1994	Taiyo Gyogo Kabuskiki Kaisya		Abstract
	140.	WO 94/10125	05-11-1994	Sandoz-Erfindunigen Verwaltungsgesellschaft M.B.H.		
	141.	WO 95/13806	05-26-1995	Kappa Pharmaceuticals Ltd.		
	142.	WO 98/21949	05-28-1998	Yehuda		
	143.	WO 99/32105	07-01-1999	Bio-Technical Resources		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	144.	ADLOF, R.O. (1999) "Preparation of unlabeled and isotope-labeled conjugated linoleic and related fatty acid isomers," (In: Yurawecz et al. (Ed), <u>Advances in Conjugated Linoleic Acid Research</u> , Vol. 1, AOCS Press, Champaign, IL, pp. 21-37.	
	145.	ANEJA, R.P. et al. (1990) "Conjugated linoleic acid contents of indian curds and ghee," <i>Indian J. Dairy Sci</i> , 43: 231-238.	
	146.	BERDEAUX, O. et al. (1997) "Large-scale synthesis of methyl <i>cis</i> -9, <i>trans</i> -11-octadecadienoate from methyl ricinoleate," <i>JAOCS</i> 74:1011-1015.	
	147.	BIRT, D.F. et al. (1992) "Dietary energy and fat effects on tumor promotion," <i>Cancer Research</i> , (Suppl.) 52:2035s-2039s.	
	148.	CHIN, S.F. et al. (1992) "Dietary sources of conjugated dienoic isomers of linoleic acid, a newly recognized class of anticarcinogens," <i>J. Food Composition and Analysis</i> 5:185-197.	
	149.	GUNSTONE, F.D. et al. (1971) "Fatty Acids, Part 29, methyl 12-mesyloxyoleate as a source of cyclopropane esters and of conjugated octadecadienoates," <i>Chem. Phys. Lipids</i> 7:121-134.	
	150.	HA, Y. L et al. (1990) "Inhibition of benzo(a)pyrene-induced mouse forestomach neoplasia by conjugated dienoic derivatives of linoleic acid," <i>Cancer Res.</i> 50:1097-1101.	
	151.	HOPKINS, C.Y. (1972) "Fatty acids with conjugated unsaturation," (In Gunstone, F.D. (Ed), <u>Topics in Lipid Chemistry</u> , Vol. 3 ELEK Science, London, pp. 37-87.	
	152.	IGARASHI, M. et al. (2000) "Newly recognized cytotoxic effect of conjugated trienoic fatty acids on cultured human tumor cells," <i>Cancer Letters</i> 148:173-179.	
	153.	IP, C. (1997) "Review of the effects of <i>trans</i> fatty acids, oleic acid, n-3 polyunsaturated fatty acids, and conjugated linoleic acid on mammary carcinogenesis in animals," <i>Am. J. Clin. Nutr.</i> 66 (suppl): 1523S-5929S.	
	154.	KASS, J.P. et al. (1939) "A Note on the constitution of linoleyl alcohol prepared by the sodium reduction of linoleic acid," <i>J. Am. Chem. Soc.</i> 61:482-483.	

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	155.	KASS, J.P. et al. (1939) "Pseudo-eleostearic acid," <i>J. Amer. Chem. Soc.</i> Vol. 61:3292-3294.	
	156.	KEPLER, C. R. et al. (1967) "Biohydrogenation of unsaturated fatty acids. III. Purification and properties of a linoleate $\epsilon^{12}$ -CIS, $\epsilon^{11}$ -trans-isomerase from <i>Butyrivibrio fibrisolvens</i> ," <i>J. Biol. Chem.</i> 242:5686-5692.	
	157.	KEPLER, C.R. et al. (1966) "Intermediates and products of the biohydrogenation of linoleic acid by <i>Butyrivibrio fibrisolvens</i> ," <i>J. Biol. Chem.</i> 241:1350-1354.	
	158.	LEE, K.N. et al. (1994) "Conjugated linoleic acid and atherosclerosis in rabbits," <i>Atherosclerosis</i> 108:19-25.	
	159.	MOORE, T. (1937) "Spectroscopic changes in fatty acids: I. changes in the absorption spectra of various fats induced by treatment with potassium hydroxide," <i>J. Biochem.</i> 31: 138-154	
	160.	PARIZA, M.W. et al. (2001) "The biological active isomers of conjugated linoleic acid," <i>Prog. Lipid Res.</i> 40:283-298	
	161.	PARODI, P.W. (1977) "Conjugated octadecadienoic acids of milk fat," <i>J. Dairy Sci.</i> 60:1550-1553.	
	162.	RADLOVE, S.B. et al. (1946) "Catalytic isomerization of vegetable oils," <i>Ind. Eng. Chem</i> 38:997-1002.	
	163.	SAGREDOS, A.N. (1974) "Formation of indanyl derivatives from trienoic acids," <i>Fette, Seifen, anstrichmittel</i> 76:8-16, Unilever forschungsges, m.b.H., Hamburg, Fed. Rep. Germany.	
	164.	SHANTHA, N.C. et al. (1993) "Conjugated linoleic acid concentrations in processed cheese containing hydrogen donors, iron and dairy-based additives," <i>Food Chemistry</i> 47:257-261.	
	165.	SHANTHA, N.C. et al. (1995) "Conjugated linoleic acid concentrations in dairy products as affected by processing and storage," <i>J. Food Science</i> 60:695-697.	
	166.	STROCCHI, A. (1969) "Comparison between the mechanisms of alkaline isomerization and autooxidation of polyunsaturated C18 fatty acids," <i>Univ. Bologna, Bologna, Italy Revue Francaise des corps Gras</i> 16:3-13.	
	167.	TAKAGI, T. et al. (1981) "Occurrence of mixtures of geometrical isomers of conjugated octadecatrienoic acids in some seed oils: analysis by open-tubular gas liquid chromatography and High Performance Liquid Chromatography," <i>Lipids</i> 16:546-551.	
	168.	YURAWECA, M.P. et al. (1993) "Estimation of conjugated octadecatrienes in edible fats and oils," <i>JAOCS</i> 70:1093-1099.	

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